PTO/SB/21 (09-04)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it displays a valid OMB control number. Application Number 10/660.996 TRANSMITTAL Filing Date 09/12/2003 First Named Inventor RECEIVED David J. Ecker FORM CENTRAL FAX CENTER Art Unit 1632 Examiner Name Jeffrey N. Fredman (to be used for all correspondence efter initial filing) Altomay Docket Number DIBIS-0002US.P4 Total Number of Pages In This Submission **ENCLOSURES** (Check all that apply) After Allowance Communication to TC Drawing(s) Fee Transmittal Form Appeal Communication to Board Licensing-related Papers of Appeals and Interferences Fee Attached Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) Amendment/Reply Petition to Convert to a Proprietary Information After Final Provisional Application Power of Attorney, Revocation Status Letter Change of Correspondence Address Affidavils/declaration(s) Other Enclosure(s) (please Identify Terminal Disclaimer below): Extension of Time Request Strnt Under 37 CRF 3.73(b) Request for Refund Express Abandonment Request CD, Number of CD(s) Information Disclosure Statement Landscape Table on CD Certifled Copy of Priority Remarks Document(s) Reply to Missing Parts/ incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Name Isis Pharmaceuticals, Inc. Signature Mrk P.r. Printed name Mark P. Roach Date Reg. No. 312812006 1.0082 CERTIFICATE OF TRANSMISSION/MAILING I heraby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient poslage as first class mail in an envelope addressed to: Commissioner for Palents, P.O. Box 1450, Alexandria, VA 22313-1450 on (he date shown below: Signature Date Laura Eamas Typed or printed name

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PTO/SB/81 (11-04)
Approved for use through 11/30/2005. OMB 0651-0035
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a pollection of information unless it displays a valid OMB control number. Application Number 10/660,996 Filing Date 9/12/2003 **POWER OF ATTORNEY** First Named Inventor Dalvd J. Ecker and METHOD FOR RAPID DETECTION AND IDENTIFICATION OF RIDAGENTS FOR ENVIRONMENTAL AND PRODUCT. Tibe CORRESPONDENCE ADDRESS Art Unit 1632 **INDICATION FORM Examiner Name** Jeff Fredman Ph.D. Attorney Docket Number **DIBIS-0002US.P4** I hereby revoke all previous powers of attorney given in the above-identified application. I hereby appoint: 58,057 Practitioners associated with the Customer Number. Practitioner(s) named below: Registration Number Name as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith. Please recognize or change the correspondence address for the above-identified application to: The address associated with the above-mentioned Customer Number: OR The address associated with Customer Number: Firm or Individual Name Address City State Zip Country Telephone Fax lam the: Applicant/Inventor. Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96) SIGNATURE of Applicant or Assignee of Record # Oberce Signature 3-27-66 Grantiand E. Bryce Telephone | 760-931-9200 Title and Company Vice President, Legal and General Counsel, Isis Pharmaceuticals, Inc. NOTE: Signatures of all the Inventors or assignees of record of the entire Interest or their représentative(s) are required. Submit multiple forms if more than one signature is required, see below".

Total of 1 forms are submitted.

This collection of Information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C, 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DONT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/S8/96 (09-04)
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. STATEMENT UNDER 37 CFR 3.73(b) Applicant/Patent Owner: Isis Pharmaceuticals, Inc. __ Filed/Issue Date: _09/12/2003 Application No./Patent No.: 10/660,996 Entitled: METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS FOR ENVIRONMENTAL AND PRODUCT TESTING Comoration Isis Pharmaceuticals, Inc. (Type of Assignee, e.g., corporation, partnership, university, government egoncy, etc.) (Name of Assignes) states that it is: 1. $\[\[\] \]$ the assignee of the entire right, title, and interest; or 2. an assignee of less than the entire right, title and interest. The extent (by percentage) of its ownership interest is_ in the patent application/patent identified above by virtue of either: A assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded , or for which a copy in the United States Patent and Trademark Office at Reel 14309 _, Frame <u>0557</u> thereof is attached. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below: The document was recorded in the United States Patent and Trademark Office at , or for which a copy thereof is attached. Reel_ __, Frame _ 2. From: Ta: The document was recorded in the United States Patent and Trademark Office at , or for which a copy thereof is attached. Reel _, Frame 3. From: To: The document was recorded in the United States Patent and Trademark Office at _, or for which a copy thereof is attached. _, Frame _ Additional documents in the chain of title are listed on a supplemental sheet. Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08] The undersigned-(whose title is supplied below) is authorized to act on behalf of the assignee. March 27, 2006 Date Signature Grantland E. Bryce, Esq. 760 931-9200 Telephone Number Printed or Typed Name Vice President and General Counsel Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the indMdual case. Any comments on the amount of time you require to complete this form and/or augreedons for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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